

520.42989X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: T. SHIROGANE, et al

Serial No.: 10/629,813

Filed: July 30, 2003

For: STORAGE SYSTEM

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

August 5, 2004

Sir:

In the matter of the above-identified application, applicants are submitting herewith copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

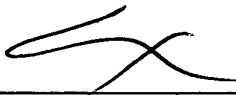
This information disclosure statement is being submitted before the mailing date of a first office action on the merits.

To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR §1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language translation of the documents.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (520.42989X00) please credit any excess fees to such deposit account.

Respectfully submitted,



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Registration No. 29,621  
ANTONELLI, TERRY, STOUT & KRAUS, LLP

CIB/jdc  
(703) 312-6600

**FORM PTO-1449** U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark  
Office

ATTY. DOCKET NO.

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SERIAL NO.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT

T. SHIROGANE, et al

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GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER ANTHONY J. BROWN	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	3	3	7	4	1	4		8/94	Hashemi et al			
	5	4	5	0	5	4	8		9/95	Matsushima			
	5	8	3	8	8	9	1		11/98	Mizuno et al			
	6	0	0	9	5	3	5		12/99	Halligan et al			
	6	0	3	2	1	8	0		2/00	Nishikawa			
	6	2	3	7	0	5	2		5/01	Stolowitz			
	6	6	0	6	6	9	0		8/03	Padovano			
	6	7	0	1	4	5	6		3/04	Biessener			
2 0 0 2	0	1	1	2	1	3	4		8/02	Ohran et al			
2 0 0 3	0	0	9	7	6	0	7		5/03	Bessire			
2 0 0 3	0	1	0	5	7	6	7		6/03	Sonoda et al			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO
2 0 0 1	8	6	1	5	3				3/01	Japan				
4	2	3	3	0	2	5			8/92	Japan				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2 0 0 3	0 1 0 5 9 2 1	6/03	Tomita			
2 0 0 3	0 1 2 6 5 2 2	7/03	English et al			
2 0 0 3	0 1 7 7 1 7 4	9/03	Allen et al			
2 0 0 3	0 1 8 2 6 1 0	9/03	Bushmitch et al			
2 0 0 3	0 2 2 6 0 9 2	12/03	Kim et al			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO
	2001	8	6	1	5	3			3/01	Japan				

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2 0 0 4	0 0 1 0 6 1 2	1/04	Pandya			
2 0 0 4	0 0 4 9 5 5 3	3/04	Iwamura et al			
2 0 0 4	0 0 9 8 3 9 4	5/04	Merritt et al			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

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